

Attention: Federal Communications Commission

Here is a statement regarding the 2019 funding year for Marian Catholic High School. Marian Catholic believed we were only entitled to receive Category 1 funding. We were not aware that Category 2 was an option for us. In May of 2017, there was a change in staff and the person that handled the Erate program left Marian Catholic High School and thousands of dollars from Category 1 on the table that we were eligible for. Once the new person was on board, with **no** Erate experience, the new person was able to get the funding for 2017, 2018 and 2019.

Upon researching Category 2 in May of this year we found out that we were eligible through USAC and begin the process immediately to obtain Category 2 Funds. (The case information is below)

The USAC Client Service Bureau has created the following case:

Description: Category 2 Inquiry

Priority: Medium

Created By: Shenice Reid

Received: 5/13/2019 3:44 PM EDT

Case Number: 274871

At that time we were given directions on how to apply for Category 2. (The form was submitted on May 29, 2019, see below).

MARIAN CATHOLIC HIGH SCHOOL's FCC Form 470 - 190030135 for Funding Year 2019 was successfully posted to the USAC website on 5/29/2019. This posting begins the required 28-day competitive bidding process. The allowable contract date is 6/26/2019.

Once the bidding process ended we had six contractors who submitted bids. Marian Catholic High School facilities committee made the decision to go with Hodgson Consulting & Solutions, Ltd.

Our network infrastructure is 10 years old and starting to fail. Can you please look at this statement and and reconsider the application for the 2019 funding year.

Sincerely,

Michael K. Carlson
700 Ashland Avenue
Chicago Heights, IL 60411
Director of Networks
mcarlson@marianchs.com
Phone - 708.755.7565

Bill Entity #69236



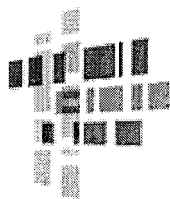
Angela Ware <ajware@marianchs.com>

USAC Notification: New Customer Service Case Created

1 message

EPC Application Administrator <EPC.Application.Administrator@portal.usac.org>
To: ajware@marianchs.com

Thu, Oct 31, 2019 at 11:22 AM



Universal Service
Administrative Co.

Hello,

The USAC Client Service Bureau has created the following case:

Description: FCC Waiver Request
Priority: Medium
Created By: Danielle Silin
Received: 10/31/2019 12:22 PM EDT
Case Number: 288574

If the details of the case are not correct, you may view/modify the case record here or contact us by phone at (888) 203-8100.

Thank you.

Universal Service Administration Company

NOTE: Please do not reply to this email.

This message has been sent by EPC

Records / FCC Forms 470

MCHS - CAT 2 for 2019 - #190030135

[Summary](#) [Generated Documents](#) [News](#) [Related Actions](#)

Please note: The following fields pull the most current data from the Contact User Profile and Applicant Entity Profile: Recipient(s) of Service, Contact Name, and Contact Phone Number. If you would like to review this FCC Form 470 with the data that was present upon certification, please navigate to the Generated Documents related dashboard on the left-hand side and click the Original Version document link.

Application Information

Nickname	MCHS - CAT 2 for 2019	Created Date	5/14/2019 12:08 PM EDT
Application Number	190030135	Created By	Angela Ware
Funding Year	2019	Certified Date	5/29/2019 10:52 AM EDT
Status	Certified	Certified By	Angela Ware
Allowable Contract Date	6/26/2019	Last Modified Date	5/29/2019 10:52 AM EDT
		Last Modified By	Angela Ware

Billed Entity Information

Name	MARIAN CATHOLIC HIGH SCHOOL	Billed Entity Number (BEN)	69236
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Application Type and Recipients of Service

Applicant Type	School	Number of Eligible Entities	1
Recipient(s) of Service	<input checked="" type="checkbox"/> Private School		

Contact Information

Name	Angela Ware	Phone Number	708-756-9441
Email	ajware@marianchs.com		

Services Requested

There are no Services Requested For Category 1

Category 2: Internal Connections and Managed Internal Broadband Services

Type	Function	Number Entities	Quantity	Unit	Manufacturer	Manufacturer Other Description	Installation and Initial Configuration ?	Associated RFP
Internal Connections	Firewall Service and Components		2	Each	Fortinet or equivalent		Yes	View RFP Documents
Internal Connections	Switches		40	Each	Hewlett Packard or equivalent		Yes	View RFP Documents

Category Two Narrative

Marian Catholic High School will be replacing the HP 5406zl core switch along with 24 existing HP switches and its firewall appliances (Fortigate 500D / FortiAnalyzer 200D). We would also like to add additional switches for supporting future capabilities. In addition to the physical parts, Marian Catholic High School would also request installation services to be a part of any RFP. Initial configuration must ensure that the new equipment works with the existing network by matching or exceeding the current configurations.

Technical Contact Information

Name	Michael Carlson	Phone Number	708-756-9776 x1776
Title	Director of Networks (Technology),	Email	mcarlson@marianchs.com

State or Local Procurement Requirements

State or Local Procurement Requirements have not been indicated

 SAVE DRAFT

Certification Confirmation

MARIAN CATHOLIC HIGH SCHOOL (BEN: 69236) - MCHS - CAT 2 for 2019 - Form # 191042747

Last Saved: 10/31/2019 3:37 PM EDT

[Basic Information](#)[Entity Information](#)[Funding Requests](#)[Certify](#)

You have successfully filed FCC Form 471 #191042747 for FY 2019

Certification Date

10/31/2019 3:37 PM EDT

Your application is being filed after the close of FY 2019 filing window. Therefore, your application will not be considered for funding.

TO REQUEST A WAIVER OF THE FILING WINDOW DEADLINE:

The window filing requirement is contained in the Federal Communication Commission (FCC) rules for the E-rate program. USAC cannot consider requests for waivers of FCC rules. If you missed the FCC Form 471 filing window deadline and wish to request a waiver, you may file a waiver request with the FCC. When you file a waiver request, you should list "CC Docket No. 02-6" on the first page of your waiver request. We strongly recommend that you review the information provided on the USAC website about filing waiver requests.

Authorized Person

Name Angela Ware


Title Administrative Support

Employer MARIAN CATHOLIC HIGH SCHOOL

Address 700 ASHLAND AVE
CHICAGO HTS, IL 60411- 2073

Phone 708-756-9441

Email ajware@marlanchs.com

Please click here to access your certified FCC Form 471 PDF 

FCC Form 471 Help

[Show Help](#)

CLOSE



Description of Services Ordered
and Certification DRAFT Form 471

FCC Form 471

Application Information

Nickname	MCCHS - CAT 2 for 2019	Application Number	191042747
Funding Year	2019	Category of Service	Category 2

Billed Entity

MARIAN CATHOLIC HIGH SCHOOL
700 ASHLAND AVE CHICAGO HTS IL 60411 - 207
3
708-755-7565

Contact Information

Angela Ware
708-756-9441
ajware@marianchs.com

Billed Entity Number	69236
FCC Registration Number	0002858306
Applicant Type	School

Holiday/Summer Contact Information
Michael Carlson Director of Networks mcarlson@marianchs.com 708-755-7565 Angela Ware Special Project Coordinator ajware@marianchs.com 708-756-9441

Entity Information

School Entity - Details

BEN	Name	Urban/ Rural	State LEA ID	State School ID	NCES Code	Alternative Discount	School Attributes	Endowment
69236	MARIAN CATHOLIC HIGH SCHOOL	Urban				None	Private School	None

School Entity - Discount Rate Calculation Details

BEN	Name	Urban/ Rural	Number of Students	Students Count Based on Estimate	CEP Percentage
69236	MARIAN CATHOLIC HIGH SCHOOL	Urban	1100	N/A	

Related Entity Information

Discount Rate

School Enrollment	School NSLP Count	School NSLP Percentage	School Urban/ Rural Status	Category One Discount Rate	Category Two Discount Rate
1100	385	35.0%	Urban	60%	60%

Funding Request for FRN #1999078115

Funding Request Nickname: MCHS - CAT 2 for 2019

Service Type: Internal Connections

Agreement Information - Month-to-Month

Establishing FCC Form 470	190030135	Account Number	1-847-906-5005 ext. 515
Was an FCC Form 470 posted for the product and/or services you are requesting?	Yes	Service Provider	Hodgson Consulting & Solutions, Ltd. (SPN: 143051580)
How many bids were received for this contract?	6	When will the services end?	June 30, 2020
What is the service start date?	July 01, 2019		

Pricing Confidentiality

Is there a statute, rule, or other restriction which prohibits publication of the specific pricing information for this contract? No

Narrative

Marian Catholic High School will be replacing the HP 5406zl core switch along with 24 existing HP switches and its firewall appliances (Fortigate 5000FortiAnalyzer 200D). We would like to add additional switches for supporting future capabilities. In addition to the physical parts, Marian Catholic High School would also request installation services to be a part of any RFP. Initial configuration must ensure that the new equipment works with the existing network by matching or exceeding the current configuration.

Line Item # 1999078115.001

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Fortinet	Model	1024D/448D-FPOE
Is installation included in Price?Yes		Is the hardware for this FRN lineNo item leased?	

Cost Calculation for FRN Line Item # 1999078115.001

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$146,432.92
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$146,432.92
One-time Quantity	x 1
Total Eligible One-time Costs	= \$146,432.92
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$146,432.92
Pre-Discout Extended Eligible Line Item Cost	= \$146,432.92

Recipients of Services

BEN	Name	Amount
69236	MARIAN CATHOLIC HIGH SCHOOL	\$146,432.92

FRN Calculation for FRN #1999078115

Monthly Charges	
Total Monthly Recurring Charges	\$0.00
Total Monthly Ineligible Charges	- \$0.00
Total Monthly Eligible Charges	= \$0.00
Total Number of Months of Service	x 12
Total Eligible Pre-Discount Recurring Charges	= \$0.00

One-Time Charges	
Total One-Time Charges	\$146,432.92
Total Ineligible One-Time Charges	- \$0.00
Total Eligible Pre-Discount One-Time Charges	= \$146,432.92

Total Requested Amount	
Total Eligible Pre-Discount Recurring Charges	\$0.00
Total Eligible Pre-Discount One-Time Charges	+ \$146,432.92
Total Pre-Discount Charges	= \$146,432.92
Discount Rate	60%
Funding Commitment Request	= \$87,859.75

Notice

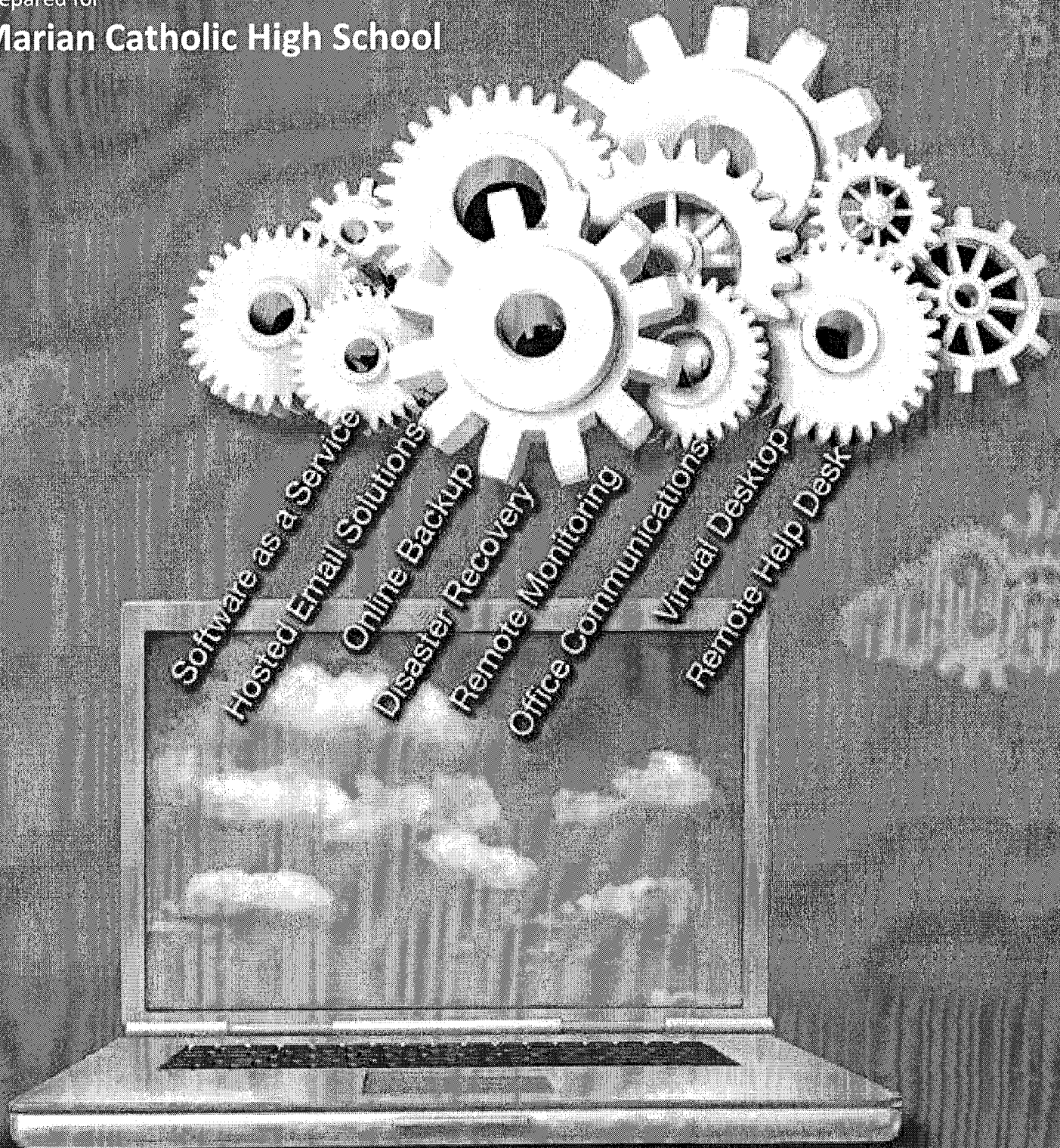
Section 54.504 of the Federal Communications Commission's rules requires all schools and libraries ordering services that are eligible for and seeking universal service discounts to submit an application for such discounts by filing this Services Ordered and Certification Form (FCC Form 471) with the Universal Service Administrator. 47 C.F.R. § 54.504. The collection of information stems from the Commission's authority under Section 254 of the Communications Act of 1934, as amended. 47 U.S.C. § 254. The data in the report will be used to ensure that schools and libraries comply with the application requirements for universal service discounts contained in 47 C.F.R. § 54.504. Schools and libraries must file this form themselves or as part of a consortium. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The FCC is authorized under the Communications Act of 1934, as amended, to collect the information we request in this form. We will use the information you provide to determine whether approving your application for universal service discounts is in the public interest. If we believe there may be a violation or a potential violation of any applicable statute, regulation, rule or order, your application may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing, or implementing the statute, rule, regulation or order. In certain cases, the information in your application for universal service discounts may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government is a party of a proceeding before the body or has an interest in the proceeding. In addition, consistent with the Communications Act of 1934, FCC regulations and orders, the Freedom of Information Act, 5 U.S.C. § 552, or other applicable law, information provided in or submitted with this form or in response to subsequent inquiries may be disclosed to the public. If you owe a past due debt to the Federal government, the information you provide may also be disclosed to the Department of the Treasury Financial Management Service, other Federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide the information to these agencies through the matching of computer records when authorized. If you do not provide the information we request on the form, the FCC or the Universal Service Administrator may delay processing of your application for universal service discounts or may return your application without action. The foregoing Notice is required by the Paperwork Reduction Act of 1995, Pub. L. No. 104-13, 44 U.S.C. § 3501, et seq. Public reporting burden for this collection of information is estimated to average 4.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing, and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the reporting burden to the Federal Communications Commission, Performance Evaluation and Records Management, Washington, DC 20554. We also will accept your comments via the email if you send them to PRA@FCC.gov. DO NOT SEND COMPLETED WORKSHEETS TO THESE ADDRESSES.

HCSQ2820-01 - Fortinet Secure FortiSwitch

Project for MDF and All IDF's (ERATE)

Prepared for

Marian Catholic High School



HODGSON
Consulting & Solutions

1110 West Lake Cook Road
Suite 235
Buffalo Grove, IL 60089
P: (847) 906-5005

704 Ginesi Drive
Suite 28.A
Morganville, NJ 07751
P: (732) 595-3151

www.hodgsonconsulting.com



Hodgson Consulting & Solutions, Ltd.
1110 West Lake Cook Road, Suite 235,
Buffalo Grove, Illinois 60089
Phone: (847) 906-5005
Fax: (847) 906-5006

QUOTE #:	HCSQ2820-01
Date:	Oct 11, 2019
Valid Through	11/10/2019
Payment Terms	Net 30

Prepared For:

Mike Carlson
Marian Catholic High School
700 Ashland Avenue
Chicago Heights, IL 60411
United States

Prepared By:

Robert Zehnder
President
rzhender@hodgsonconsulting.com
847-906-5005 ext 515



Phone (708) 756-9776

Here is the quote you requested.

Qty	Description	Unit Price	Ext. Price
	<p>New FortiGate and FortiSwitch Solution for MCHS will be a full Network Upgrade and Secure Switch Replacement for the entire Campus. The proposal includes a new FortiGate 601 Firewall with over 36 Gbps of throughput (10 Gbps with all UTM Services enabled), 24 x 7 Enterprise support across all products with a single pane of glass Cloud Management and reporting included in the solution.</p> <p>The FortiSwitch Secure Access Family delivers outstanding security, performance and manageability. Secure, Simple, and Scalable, FortiSwitch is the right choice for threat conscious schools especially with student and staff accessing more resources online and in the Cloud. Tightly integrated into the Fortinet Security Fabric via FortiLink, FortiSwitch can be managed directly from the familiar FortiGate interface. This single pane of glass management provides complete visibility and control of users and devices on the network regardless of how they connect. This makes the FortiSwitch ideal for Education deployments with applications that range from desktop to Cloud aggregation, enabling schools and IT department to converge their security and network access.</p> <p>In the MDF location, the FortiSwitch 1024D Series Secure Switches will be stacked with the FortiSwitch 448D-FPOE Switches for a solid Core Switch Solution. The redundant Switch Stack allows MCHS to support dual 10 Gbps connections (20 Gbps) to each IDF (all 13) and include room for expansion in the future.</p> <p>In each IDF location the FortiSwitch 448D-FPOE series Secure Switches will be stacked using 10 Gbps Interfaces and then connected to the core switch stack in the MDF with redundant 10 Gbps uplinks (20 Gbps). While</p>		

Qty	Description	Unit Price	Ext. Price
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more throughput is possible with the additional 10 Gbps ports located on the switch stacks, this will double the throughput and lay a great foundation for future expansion, the new Wi-Fi 6 (or 802.11ax) standards, additional network security powered by Fortinet and serve MCHS for many years in the future.

FortiGate and FortiSwitch Secure Switch Solution for MDF

1.0	Fortinet FortiGate 601E Network Security/Firewall Appliance - 10 Port - 1000Base-T, 10GBase-X, 1000Base-X - 10 Gigabit Ethernet - 5000 VPN - 10 x RJ-45 - 10 Total Expansion Slots - 1U - Rack-mountable	\$10,304.00	\$10,304.00
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The FortiGate 600E series delivers next generation firewall capabilities for mid-sized to large enterprises, with the flexibility to be deployed at the campus or enterprise branch. Protects against cyber threats with security processor powered high performance, security efficacy and deep visibility. Security Protects against known exploits, malware and malicious websites using continuous threat intelligence provided by FortiGuard Labs security services Identify thousands of applications including cloud applications for deep inspection into network traffic Protects against unknown attacks using dynamic analysis and provides automated mitigation to stop targeted attacks Performance Delivers industry's best threat protection performance and ultra-low latency using purpose-built security processor (SPU) technology Provides industry-leading performance and protection for SSL encrypted traffic Certification Independently tested and validated best security effectiveness and performance Received unparalleled third-party certifications from NSS Labs, ICSA, Virus Bulletin and AV Comparatives Networking Delivers extensive routing, switching, wireless controller and high performance IPsec VPN capabilities to consolidate networking and security functionality Enables flexible deployment such as Next Generation Firewall and Secure SD-WAN Management Single Pane of Glass with Network Operations Center (NOC) view provides 360° visibility to identify issues quickly and intuitively.

2.0	Fortinet FortiSwitch 1024D Ethernet Switch - Manageable - 3 Layer Supported - Modular - Optical Fiber - 1U High - Rack-mountable	\$7,120.23	\$14,240.46
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FortiSwitch Data Center switches deliver a Secure, Simple, Scalable Ethernet solution with outstanding throughput, resiliency and scalability for organizations with high performance network requirements. They are ideal for Top of Rack server or firewall aggregation applications, as well as enterprise network core or edge deployments, where high performance 10 GE or 40 GE is required. Purpose- built to meet the needs of today's bandwidth intensive data centers and enterprise networks, FortiSwitch Data Center switches deliver high-performance with a low Total Cost of Ownership. Security Fabric Integration Reduces complexity and decreases management cost with network security functions managed through a single console via FortiGate. This integration allows all users to be authenticated against the same user database,

Qty	Description	Unit Price	Ext. Price
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regardless of whether they connect to the wired or wireless network, including temporary guest users. In addition, same security policy can apply to a user or device regardless of how or where they connect to the network. Designed for Data Centers Future-proofed 10 GE to satisfy the bandwidth requirements of intensive data center and network core applications and maximizes network availability with dual power supplies.

2.0	Fortinet FortiCare - 1 Year - Service - 24 x 7 - Exchange - Electronic, Physical Service - FortiSwitch FS-1024D	\$712.03	\$1,424.06
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2.0	Fortinet FortiSwitch 448D-FPOE Ethernet Switch - 48 Ports - Manageable - 3 Layer Supported - Modular - Optical Fiber, Twisted Pair - 1U High - Rack-mountable - Lifetime Limited Warranty	\$2,374.40	\$4,748.80
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Secure Access Switches FortiSwitch Secure Access switches deliver outstanding security, performance and manageability for threat conscious small to mid-sized businesses, distributed enterprises and branch offices. Tightly integrated into the FortiGate® Network Security Platform, the FortiSwitch Secure Access switches can be managed directly from the familiar FortiGate interface. This single pane of glass management provides complete visibility and control of all users and devices on the network, regardless of how they connect. When a device connects to a Secure Access Switch Ethernet port, it is first identified, and then the user is authenticated. Once authenticated, access to the network is granted based on pre-defined security policy from the FortiGate, ensuring secure network access across the enterprise, without impacting the user experience.

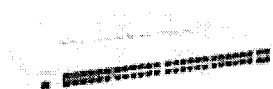
Secure Managed Switches for Wire Closet Installation The FortiSwitch D-Series switches are ideal for the next generation applications, where increased productivity can be achieved through faster network access speeds via dedicated Gigabit Ethernet ports. With a compact 1RU form factor, these switches are ideally suited for high density enterprise or classroom wire closet installations, delivering a truly secure network access platform for wired Ethernet devices.

Simple Network Deployment and Compliance The Power over Ethernet (PoE) capability enables simple installation of wireless Access Points and IP phones in the network, with power and data being delivered over the same network cable. There is no need to contract electricians to install power for your PoE capable devices anymore, reducing your overall network TCO. By leveraging the FortiSwitch VLAN segmentation feature of the switches, enterprise networks can support the convergence of voice, data and wireless traffic onto a single network platform. FortiSwitch network segmentation can even be managed from the FortiGate interface, simplifying the process of meeting compliance requirements for data separation.

Qty	Description	Unit Price	Ext. Price
2.0	Fortinet FortiCare Contract - 1 Year - Service - 24 x 7 - Technical - Electronic Service - FortiSwitch 448D-FPOE	\$237.44	\$474.88
5.0	Fortinet SFP+ Network Cable - 3.28 ft SFP+ Network Cable - SFP+ Network - 1.25 GB/s	\$60.91	\$304.55
13.0	Fortinet 10 GE SFP+ Transceiver Module, Short Range - For Data Networking, Optical Network10	\$84.00	\$1,092.00
SubTotal			\$32,588.75

FortiSwitch Secure Switch Solution for IDFs

36.0	Fortinet FortiSwitch 448D-FPOE Ethernet Switch - 48 Ports - Manageable - 3 Layer Supported - Modular - Optical Fiber, Twisted Pair - 1U High - Rack-mountable - Lifetime Limited Warranty	\$2,374.40	\$85,478.40
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*Secure Access Switches*FortiSwitch Secure Access switches deliver outstanding security, performance and manageability for threat conscious small to mid-sized businesses, distributed enterprises and branch offices. Tightly integrated into the FortiGate® Network Security Platform, the FortiSwitch Secure Access switches can be managed directly from the familiar FortiGate interface. This single pane of glass management provides complete visibility and control of all users and devices on the network, regardless of how they connect. When a device connects to a Secure Access Switch Ethernet port, it is first identified, and then the user is authenticated. Once authenticated, access to the network is granted based on pre-defined security policy from the FortiGate, ensuring secure network access across the enterprise, without impacting the user experience.

*Secure Managed Switches for Wire Closet Installation*The FortiSwitch D-Series switches are ideal for the next generation applications, where increased productivity can be achieved through faster network access speeds via dedicated Gigabit Ethernet ports.

Qty	Description	Unit Price	Ext. Price
	<p><i>With a compact 1RU form factor, these switches are ideally suited for high density enterprise or classroom wire closet installations, delivering a truly secure network access platform for wired Ethernet devices. Simple Network Deployment and ComplianceThe Power over Ethernet (PoE) capability enables simple installation of wireless Access Points and IP phones in the network, with power and data being delivered over the same network cable. There is no need to contract electricians to install power for your PoE capable devices anymore, reducing your overall network TCO. By leveraging the FortiSwitch VLAN segmentation feature of the switches, enterprise networks can support the convergence of voice, data and wireless traffic onto a single network platform. FortiSwitch network segmentation can even be managed from the FortiGate interface, simplifying the process of meeting compliance requirements for data separation.</i></p>		
36.0	Fortinet FortiCare Contract - 1 Year - Service - 24 x 7 - Technical - Electronic Service - FortiSwitch 448D-FPOE	\$237.44	\$8,547.84
23.0	Fortinet SFP+ Network Cable - 3.28 ft SFP+ Network Cable - SFP+ Network - 1.25 GB/s	\$60.91	\$1,400.93
13.0	Fortinet 10 GE SFP+ Transceiver Module, Short Range - For Data Networking, Optical Network10	\$84.00	\$1,092.00
SubTotal			\$96,519.17
1.0	<p>Server Consulting Services performed for Client at a project rate. Server Services are performed through our Service Ticket and Central Dispatching System and are done on a ticket (per issue) basis. Project related fees and other services may not be included.</p> <p>Hodgson Consulting will arrive onsite at MCHS and work with the IT Department on various Servers, Systems and Network Switches for the FortiGate FortiSwitch Secure Switch Upgrade Project. Once the base systems are installed and tested, HCS will coordinate the cutover during a weekend maintenance window as systems will be offline during the cutover to the new network.</p> <p>-- Install and Configure FortiGate and FortiSwitch Secure Switch in MDF with all modules and settings.</p> <p>-- Integrate new MDF Core Switch Stack into the existing network, changing all require settings to allow the new switches to act as the primary switches for network core.</p> <p>-- Cutover all final state servers and switches in a fully fault-tolerant and load-balanced method to the new Core Switch (across modules) leaving the current switches in place for the old servers, VMware Servers and other systems being removed in upcoming service visit.</p> <p>-- Install and Configure new FortiSwitch Secure Switches for IDF Locations</p>	\$17,325.00	\$17,325.00

Qty	Description	Unit Price	Ext. Price
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including Stacking and SFP+ Modules and settings.

-- Upgrade Network Switch Firmware on all Edge Switches to the latest fixed-stable firmware from Fortinet. Ensure proper configurations are backed up and basic documentation is correct.

-- Ensure all switches across the organization are fully updated to the latest supported Fortinet Firmware and all backups and documentation are updated accordingly.

Please note all time required to complete the project is included.

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Please contact me if I can be of further assistance.

SubTotal	\$146,432.92
Tax	\$0.00
Shipping	\$0.00
TOTAL	\$146,432.92

Fortinet FortiGate 601E Network Security/Firewall Appliance

General Information

Manufacturer: Fortinet, Inc

Manufacturer Website <http://www.fortinet.com>

Address:

Brand Name: Fortinet

Product Line: FortiGate

Product Series: 600E

Product Name: FortiGate 601E Network Security/Firewall Appliance

Marketing Information: The FortiGate 600E series delivers next generation firewall capabilities for mid-sized to large enterprises, with the flexibility to be deployed at the campus or enterprise branch. Protects against cyber threats with security processor powered high performance, security efficacy and deep visibility.

Security

- Protects against known exploits, malware and malicious websites using continuous threat intelligence provided by FortiGuard Labs security services
- Identify thousands of applications including cloud applications for deep inspection into network traffic
- Protects against unknown attacks using dynamic analysis and provides automated mitigation to stop targeted attacks

Performance

- Delivers industry's best threat protection performance and ultra-low latency using purpose-built security processor (SPU) technology
- Provides industry-leading performance and protection for SSL encrypted traffic

Certification

- Independently tested and validated best security effectiveness and performance
- Received unparalleled third-party certifications from NSS Labs, ICSA, Virus Bulletin and AV Comparatives

Networking

- Delivers extensive routing, switching, wireless controller and high performance IPsec VPN capabilities to consolidate networking and security functionality
- Enables flexible deployment such as Next Generation Firewall and Secure SD-WAN

Management

- Single Pane of Glass with Network Operations Center (NOC) view provides 360° visibility to identify issues quickly and intuitively
- Predefined compliance checklist analyzes the deployment and highlights best practices to improve overall security posture

Security Fabric

- Enables Fortinet and Fabric-ready partners' products to collaboratively integrate and provide end-to-end security across the entire attack surface
- Automatically builds Network Topology visualizations which discover IoT devices and provide complete visibility into Fortinet and Fabric-ready partner products

Next Generation Firewall (NGFW)

- Combines threat prevention security capabilities into single high performance network security appliance
- Reduces complexity by creating campus topology view and providing granular visibility of devices, users and threat information
- Identify and stop threats with powerful intrusion prevention beyond port and protocol that examines the actual content of your network traffic
- Delivers industry's highest SSL inspection performance using industry-mandated ciphers
- Proactively detect malicious unknown threats using integrated cloud-based sandbox service

Secure SD-WAN

- Secure direct Internet access for Cloud applications for improved latency and reduce WAN cost spending
- Effective, cost-efficient and high performance threat prevention capabilities
- WAN Path Controller and Link Health Monitoring for better application performance
- Security Processor powered industry's best IPsec

- Security Processor powered industry's best IPsec VPN and SSL Inspection performance
- Centralized Management and Zero-Touch deployment

Product Type: Network Security/Firewall Appliance

Technical Information

- | | |
|--------------------------------|--|
| Firewall Protection Supported: | <ul style="list-style-type: none">• Web Protection• Threat Protection• Cyber Assault Protection• Intrusion Prevention• Antivirus• Anti-spyware• Malware Protection |
|--------------------------------|--|

Number of VPN Supported: 5000

Interfaces/Ports

Total Number of Ports: 10

USB: Yes

Number of Network (RJ-45) Ports: 10

Network & Communication

Ethernet Technology: 10 Gigabit Ethernet

- | | |
|-------------------|---|
| Network Standard: | <ul style="list-style-type: none">• 1000Base-T• 10GBase-X• 1000Base-X |
|-------------------|---|

I/O Expansions

Number of Total Expansion Slots: 10

- | | |
|----------------------|--|
| Expansion Slot Type: | <ul style="list-style-type: none">• SFP (mini-GBIC)• SFP+ |
|----------------------|--|

Number of SFP Slots: 8

Number of SFP+ Slots: 2

Management & Protocols

Manageable: Yes

Physical Characteristics

Compatible Rack Unit: 1U

Form Factor: Rack-mountable

Height: 1.8"

Width: 17"

Depth: 15"

Weight (Approximate): 16.53 lb

Miscellaneous

- Package Contents:
- FortiGate 601E Network Security/Firewall Appliance
 - 2 x SFP (SX 1 GE) Transceivers

Prepared By

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A FORTINET COMPANY

Fortinet FortiSwitch 1024D Ethernet Switch

General Information

Manufacturer: Fortinet, Inc

Manufacturer Website <http://www.fortinet.com>

Address:

Brand Name: Fortinet

Product Line: FortiSwitch

Product Name: FortiSwitch 1024D Ethernet Switch

Marketing Information: **FortiSwitch Data Center switches deliver a Secure, Simple, Scalable Ethernet solution with outstanding throughput, resiliency and scalability for organizations with high performance network requirements.** They are ideal for Top of Rack server or firewall aggregation applications, as well as enterprise network core or edge deployments, where high performance 10 GE or 40 GE is required. Purpose- built to meet the needs of today's bandwidth intensive data centers and enterprise networks, FortiSwitch Data Center switches deliver high-performance with a low Total Cost of Ownership.

Security Fabric Integration

Reduces complexity and decreases management cost with network security functions managed through a single console via FortiGate.

This integration allows all users to be authenticated against the same user database, regardless of whether they connect to the wired or wireless network, including temporary guest users.

In addition, same security policy can apply to a user or device regardless of how or where they connect to the network.

Designed for Data Centers

Future-proofed 10 GE to satisfy the bandwidth requirements of intensive data center and network core applications and maximizes network availability with dual power supplies.

Product Type: Ethernet Switch

Interfaces/Ports

Uplink Port: Yes

Modular: Yes

Stack Port: Yes

Port/Expansion Slot Details: 24 x 10 Gigabit Ethernet Expansion Slot

Media & Performance

Media Type Supported: Optical Fiber

Ethernet Technology: 10 Gigabit Ethernet

Network Technology: 10GBase-X

I/O Expansions

Number of Total Expansion Slots: 24

Expansion Slot Type: SFP+

Shared SFP Slot: No

Number of SFP+ Slots: 24

Network & Communication

Layer Supported: 3

Management & Protocols

Manageable: Yes

Power Description

Power Source: Power Supply

Redundant Power Supply Supported: Yes

Physical Characteristics

Compatible Rack Unit: 1U

Form Factor: Rack-mountable

Height: 1.7"

Width: 17.3"

Depth: 18.1"

Weight (Approximate): 17.62 lb

Weight (Approximate): 1 / .62 lb

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Product Data Powered by  **etilize**
A COTI PRODUCT DATA COMPANY

Fortinet FortiSwitch 448D-FPOE Ethernet Switch

General Information

Manufacturer: Fortinet, Inc

Manufacturer Website: <http://www.fortinet.com>

Address:

Brand Name: Fortinet

Product Line: FortiSwitch

Product Series: D

Product Name: FortiSwitch 448D-FPOE Ethernet Switch

Marketing Information: **Secure Access Switches**

FortiSwitch Secure Access switches deliver outstanding security, performance and manageability for threat conscious small to mid-sized businesses, distributed enterprises and branch offices. Tightly integrated into the FortiGate® Network Security Platform, the FortiSwitch Secure Access switches can be managed directly from the familiar FortiGate interface. This single pane of glass management provides complete visibility and control of all users and devices on the network, regardless of how they connect.

When a device connects to a Secure Access Switch Ethernet port, it is first identified, and then the user is authenticated. Once authenticated, access to the network is granted based on pre-defined security policy from the FortiGate, ensuring secure network access across the enterprise, without impacting the user experience.

Secure Managed Switches for Wire Closet Installation

The FortiSwitch D-Series switches are ideal for the next generation applications, where increased productivity can be achieved through faster network access speeds via dedicated Gigabit Ethernet ports. With a compact 1RU form factor, these switches are ideally suited for high density enterprise or classroom wire closet installations, delivering a truly secure network access platform for wired Ethernet devices.

Simple Network Deployment and Compliance

The Power over Ethernet (PoE) capability enables simple installation of wireless Access Points and IP phones in the network, with power and data being delivered over the same network cable. There is no need to contract electricians to install power for your PoE capable devices

electricians to install power for your PoE capable devices anymore, reducing your overall network TCO.

By leveraging the FortiSwitch VLAN segmentation feature of the switches, enterprise networks can support the convergence of voice, data and wireless traffic onto a single network platform. FortiSwitch network segmentation can even be managed from the FortiGate interface, simplifying the process of meeting compliance requirements for data separation.

Product Type: Ethernet Switch

Interfaces/Ports

Total Number of Network Ports:

48

Uplink Port: Yes

Modular: Yes

Stack Port: No

Port/Expansion Slot Details:

- 48 x Gigabit Ethernet Network
- 4 x 10 Gigabit Ethernet Expansion Slot

Media & Performance

Media Type Supported:

- Optical Fiber
- Twisted Pair

Ethernet Technology:

- Gigabit Ethernet
- 10 Gigabit Ethernet

Network Technology:

- 10/100/1000Base-TX
- 10GBase-X

I/O Expansions

Number of Total Expansion Slots:

4

Expansion Slot Type: SFP+

Number of SFP+ Slots: 4

Network & Communication

Layer Supported: 3

Management & Protocols

Manageable: Yes

Power Description

Power Source: Power Supply

Redundant Power Supply Yes
Supported:

Physical Characteristics

Compatible Rack Unit: 1U

Form Factor: Rack-mountable

Height: 1.7"

Width: 17.3"

Depth: 12.2"

Weight (Approximate): 15.45 lb

Miscellaneous

Environmentally Friendly: Yes

Environmental Certification: RoHS 2

Warranty

Limited Warranty: Lifetime

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